

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 404VTDC6026

Catalog No: V010A

Vertical Pump Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
404TPV Frame, WPI



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RegalRexnord

Nameplate Specifications

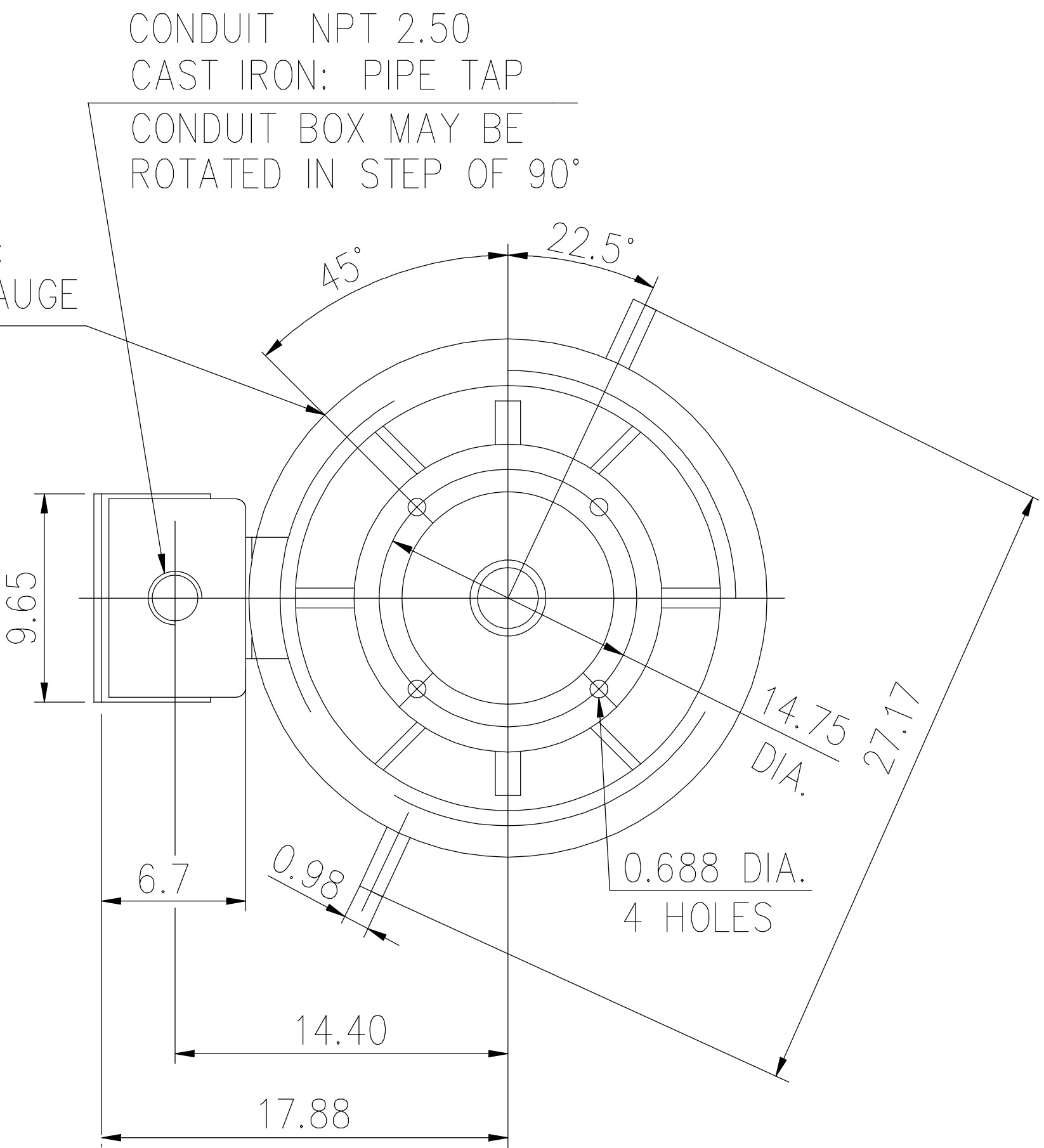
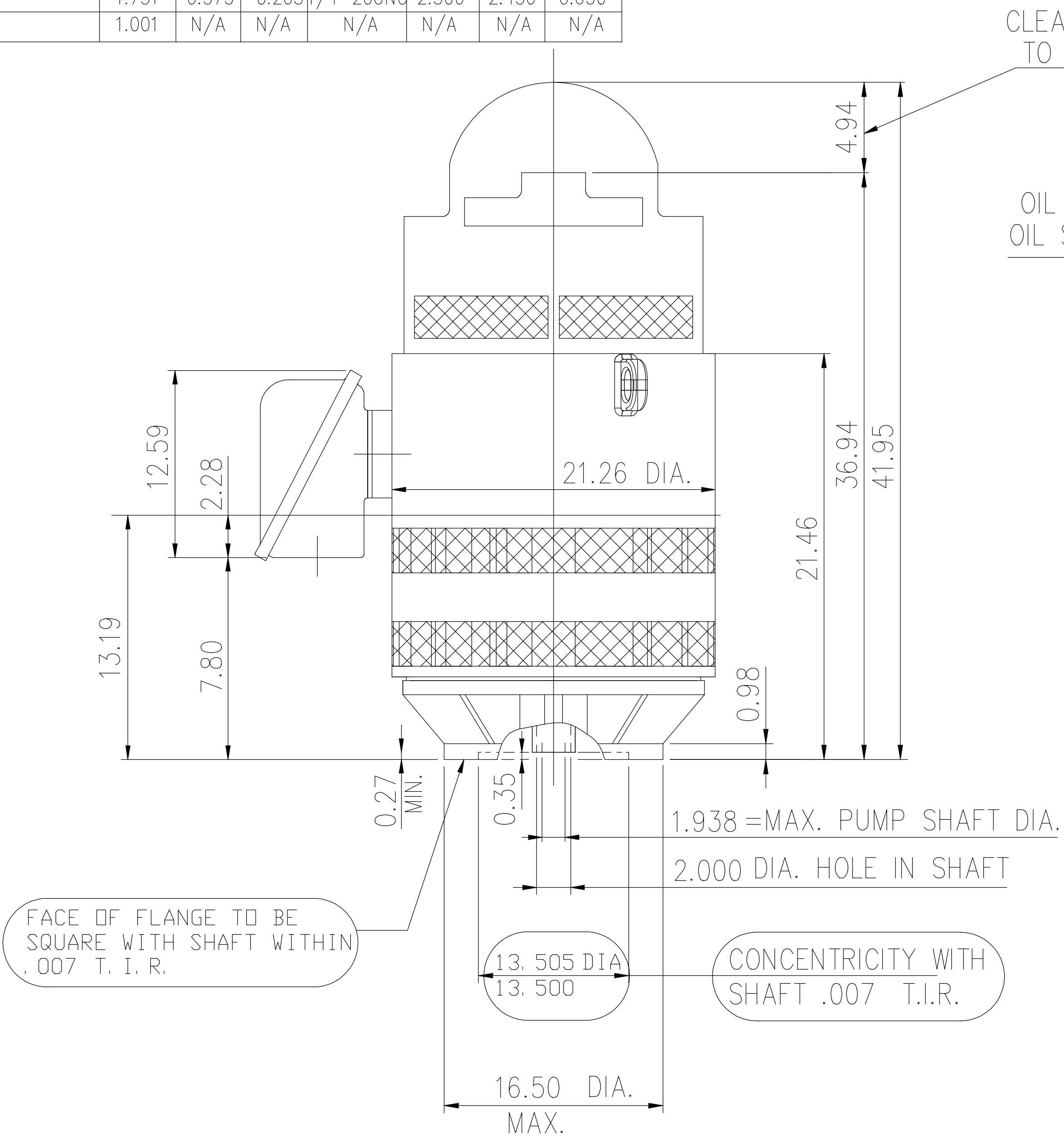
Phase	3	Output HP	100 & 75 Hp
Output KW	75.0 & 56.0 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	404TPV	Enclosure	Weather Protected 1
Thermal Protection	No Protection	Efficiency	95.4 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	230/115 & 214/107 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6314	Opp Drive End Bearing Size	7222B
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

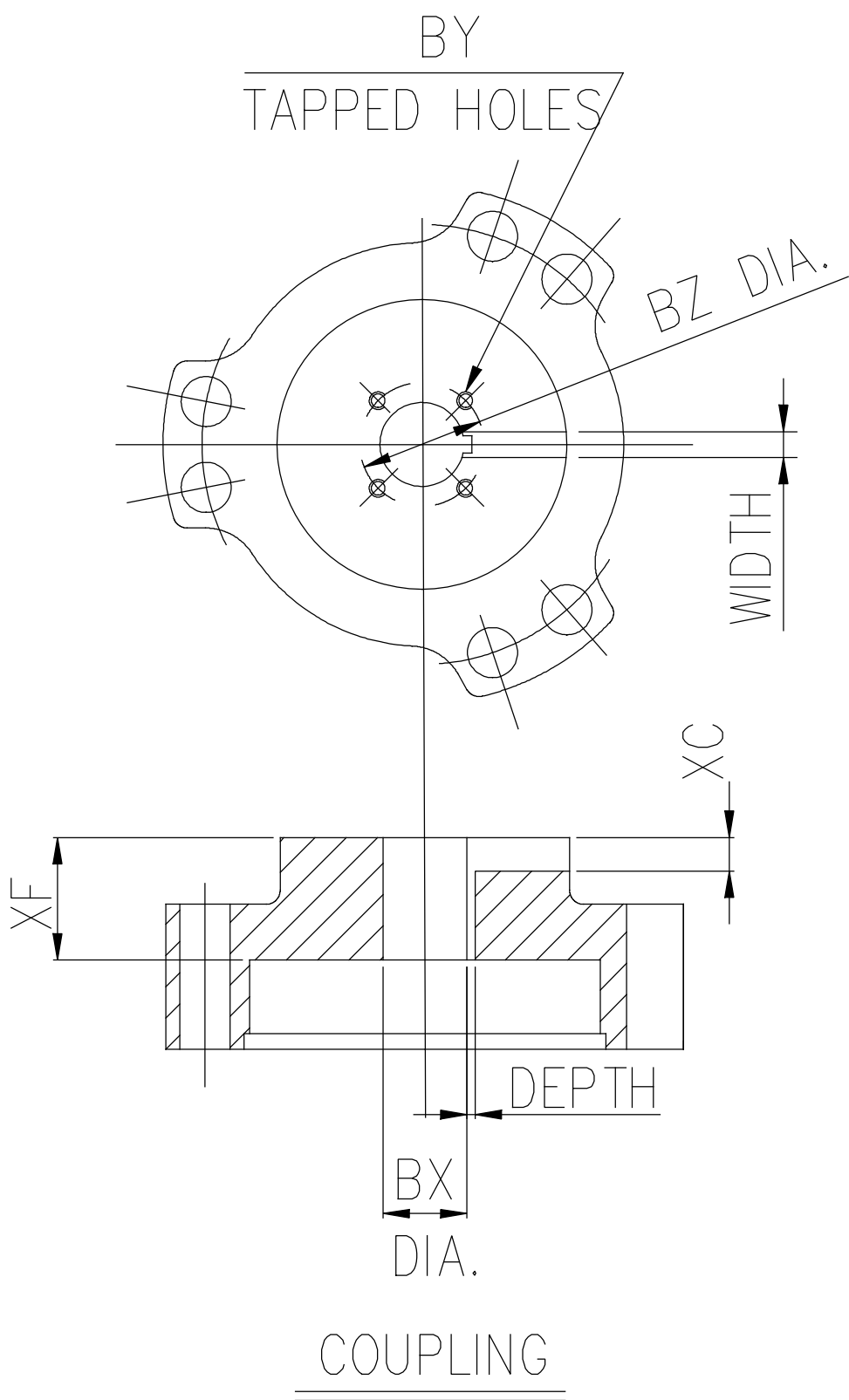
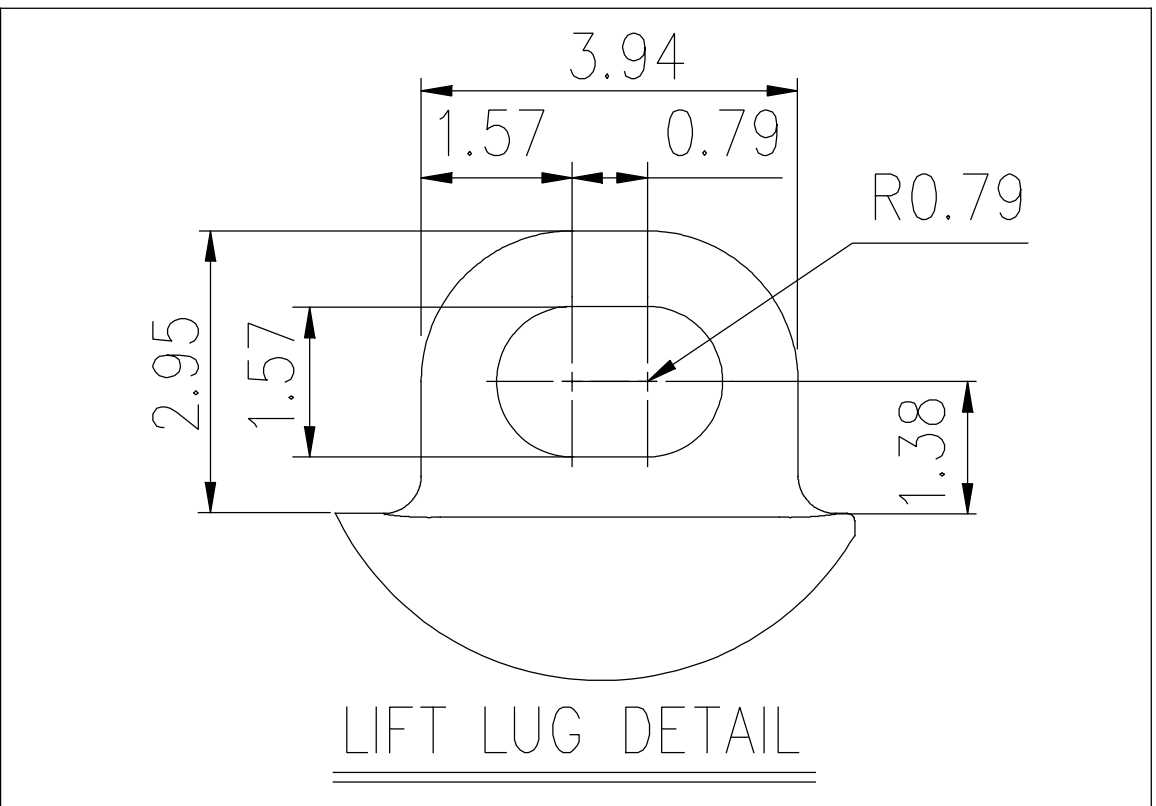
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter
Poles	4	Rotation	Counterclockwise Rotation, Reversible without Non-Reversible Ratchet
Mounting	Round	Motor Orientation	Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Single Angular Contact
Frame Material	Cast Iron	Shaft Type	TP
Overall Length	41.95 in	Shaft Diameter	2.000 in
Shaft Extension	0.35 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 3:1		
Connection Drawing	EE7308DX	Outline Drawing	SS620842

COUPLING	BX DIA.	KEYWAY		BY	BZ	XF	XC
		WIDE	DEEP				
	1.188	0.250	0.140	1/4-20UNC	1.750	2.430	0.630
	1.251	0.375	0.140	1/4-20UNC	1.750	2.430	0.630
	1.438	0.375	0.140	1/4-20UNC	2.120	2.430	0.630
	1.501	0.375	0.140	1/4-20UNC	2.120	2.430	0.630
	1.688	0.375	0.203	1/4-20UNC	2.500	2.430	0.630
	1.751	0.375	0.203	1/4-20UNC	2.500	2.430	0.630
	1.001	N/A	N/A	N/A	N/A	N/A	N/A

SS620842



BOTTOM VIEW OF MOTOR



- (1) DIMENSIONS ARE IN INCHES.
- (2) DRIVE END BEARING 6314
OPPOSITE DRIVE END BEARING 7222B
- (3) APPROXIMATE WEIGHT = 1460 LBS

(4) END OF LINE TESTS - SPECIFIC TO EACH RATING

*NO LOAD AMPS @ FULL VOLTAGE

*NO LOAD WATTS @ FULL VOLTAGE

*VIBRATION MEETS MG-1 STANDARD

BALANCE 0.15 IN/S 3.8 MM/S

				TOLERANCES UNLESS SPECIFIED		 REGAL - BELOIT CORPORATION	DRAWN		
				DEC.	INCHES		CHK	APPD	SCALE
				.X	±.1	TITLE OUTLINE 404/405TP16 FRAME			
C	UPDATED PER MARK-UPS ECO-0151417	WGJ 9-11-2018	AL	.XX	±.03				
B	RE-PUBLISHED ECO-0125813	WGJ 6-21-2017	EMH	.XXX	±.005	MAT'L.			
A	RELEASED FOR PRODUCTION ECO-0125213	WGJ 6-13-2017	AL	.XXXX	±.0005				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT			RFP		CAD FILE	SIZE	DRAWING NO.		REV.
			DIST			B	SS620842		C

T12 (W4) —
T1 (U1) —
T6 (W2) — L1
T7 (U3) —

T2 (V1) —
T4 (U2) —
T8 (V3) — L2
T10 (U4) —

T3 (W1) —
T5 (V2) —
T9 (W3) — L3
T11 (V4) —

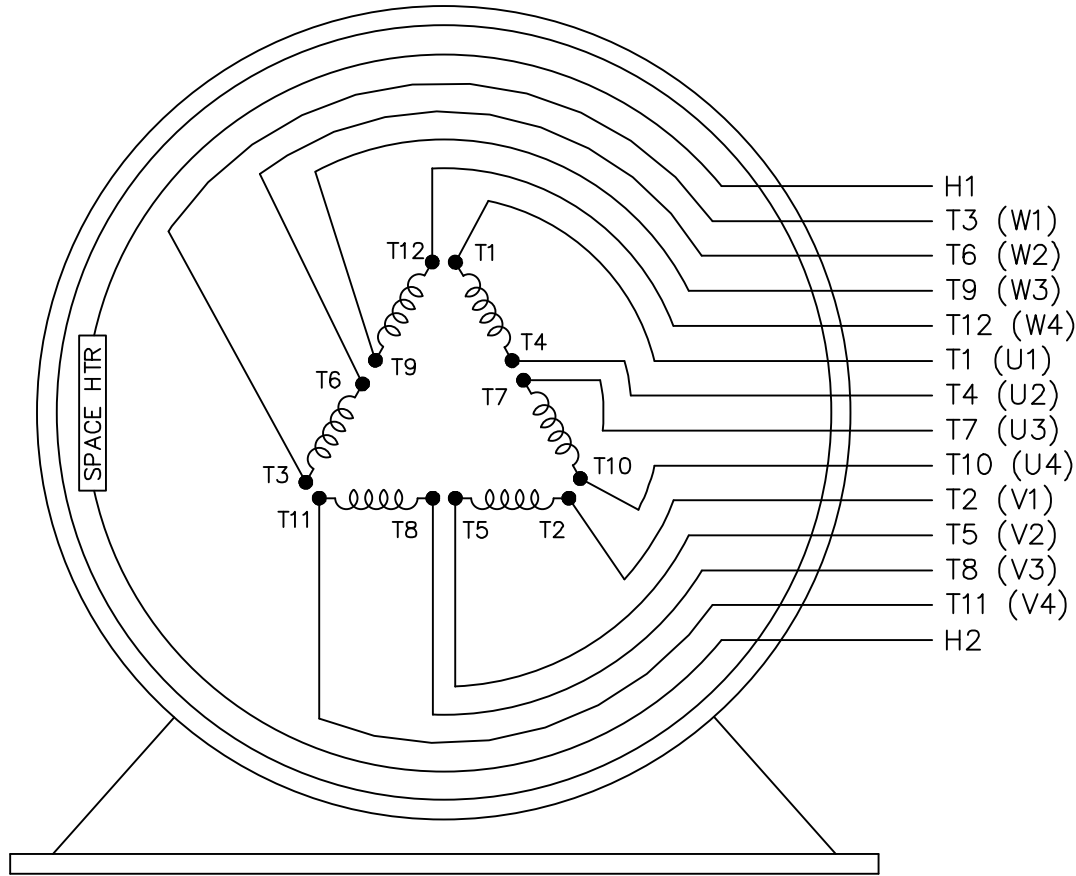
LOW VOLTAGE

T12 (W4) —
T1 (U1) — L1
T4 (U2) —
T7 (U3) —

T2 (V1) —
T10 (U4) — L2
T5 (V2) —
T8 (V3) —

T3 (W1) —
T11 (V4) — L3
T6 (W2) —
T9 (W3) —

HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			MARATHON		DRAWN KL 02-05-1999		
				DEC.	INCHES		ELECTRIC		CHK	DJK 02-05-1999	
				.X	± -				APPD	DJK 02-05-1999	
				.XX	± -				SCALE 1=1		
2	ADDED IEC MARKINGS	MU110339	MSG 10-15-2012	SJW .XXX	± -	TITLE CONNECTION DIAGRAM 12 LEADS - 3 PHASE - 2/1 DELTA				REF	
1	NEW DRAWING	MU23624	KL 02-05-1999	DJK .XXXX	± -	MAT'L.				FMF MU23624	
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH				PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP 02-05-1999		CAD FILE EE7308DX			SIZE	DRAWING NO.	PAGE OF	REV.
			DIST					A	EE7308DX		2



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7308DX**OUTLINE:** SS620842**WINDING #:** TPE4044001 1**CUSTOMER PO#:****MODEL #:** 404VTDC6026 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
100&75	75.0&56.0	1800	1780&1480	404TPV	WPI	F	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	230/115&214/107	PWS (LV ONLY) & YDRUN OR INV	CONTINUOUS	F	1.15/1.15	40

FULL LOAD EFF:	95.4&94.5	3/4 LOAD EFF:	95.4	1/2 LOAD EFF:	94.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	85&84	3/4 LOAD PF:	83	1/2 LOAD PF:	76	94.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
295 LB-FT	1380 / 690	530 LB-FT 180 %	700 LB-FT 238 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	23.1 LB-FT^2	1065 LB-FT^2	12 SEC.	2	1628 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE-16	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	SINGLE ANGULAR CONTACT	POLYREX/ISOVG32	TP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	7222B						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	110 VOLTS

*

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INVERTER TORQUE: VARIABLE 3:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

PREPARED BY: Dinesh**Suddula DATE:**

02/18/2019 02:04:25 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

 HP 100&75

 PHASE 3

 Model No 404VTDC6026
60

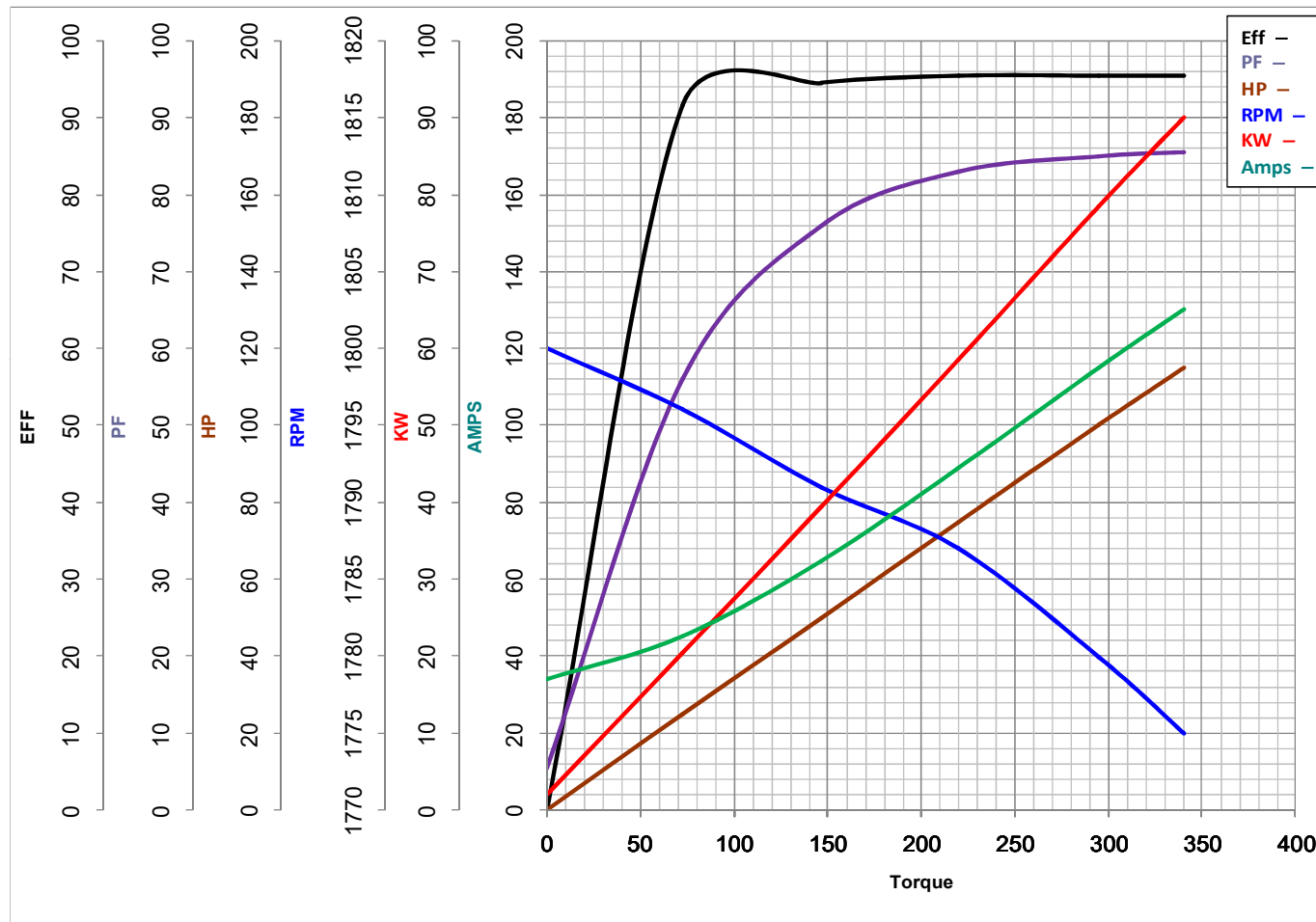
HZ

 VOLTS 230/460&190/380
100

HP

 Catalog No V010A

 HZ 60&50

 RPM 1780&1480


Torque in Lb.Ft

 FL TORQUE 295 Lb.Ft

 BD TORQUE 700.0 Lb.Ft

 LR TORQUE 530 Lb.Ft

 FL AMPS 230/115

 PU TORQUE 450.0 Lb.Ft

 LR AMPS 690

WINDING TPE4044001-1

Date 11/2/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 404VTDC6026

(Model No. may contain prefix and/or suffix characters)

Catalog No : V010A

Rework No : N/A

Directives :

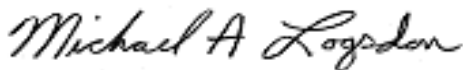
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22